CLAIMS

1. A spreading code assigning method in a direct sequence CDMA mobile communication system for transmitting a signal after spreading said signal doubly with a first spreading code in a first spreading code group and a second spreading code in a second spreading code group, said first spreading code having the same repetition period as an information symbol period, said second spreading code having a longer repetition period than the information symbol period, said first spreading code and said second spreading code forming spreading codes for enlarging a band of a wide-band signal, a rate of said spreading codes being higher than an information rate, said method comprising the step of:

assigning a code associated with each base station group or a code associated with each network type to which said base station group belongs as said second spreading code.

2. A signal transmitting method in a direct sequence CDMA mobile communication system for transmitting a signal after spreading said signal doubly with a first spreading code in a first spreading code group and a second spreading code in a second spreading code group, said first spreading code having the same repetition period as an information symbol period, said second spreading code having a longer repetition period than the information symbol period, said first spreading code and said second spreading code forming spreading codes for enlarging a band of a wide-band signal, a rate of said spreading codes being higher than an information rate, said method comprising the steps of:

assigning a code associated with each base station group or a code associated with each network

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-23type to which said base station group belongs as said second spreading code; and transmitting a signal which is spread with said second spreading code between a base station and a mobile station. 5 3. A direct sequence CDMA mobile communication system for transmitting a signal after spreading said signal doubly with a first spreading code in a first spreading code group and a second spreading code in a second spreading code group, 10 said first spreading code having the same repetition period as an information symbol period, said second spreading code having a longer repetition period than the information symbol period, said first spreading code and said second spreading code 15 forming spreading codes for enlarging a band of a wide-band signal, a rate of said spreading codes being higher than an information rate, said system comprising: a base station using said second spreading 20 code assigned to each base station group or said second spreading code assigned to each network type to which said base station group belongs; and a mobile station communicating with said base station by using a signal which is spread by 25 said second spreading code assigned to said base station. 4. A transmitter in a direct sequence CDMA mobile communication system for transmitting a signal after spreading said signal doubly with a 30 first spreading code in a first spreading code group and a second spreading code in a second spreading code group, said first spreading code having the same repetition period as an information symbol period, said second spreading code having a longer 35 repetition period than the information symbol period, said first spreading code and said second spreading

-24code forming spreading codes for enlarging a band of a wide-band signal, a rate of said spreading codes being higher than an information rate, said transmitter assigning a code associated with each base station group or a code 5 associated with each network type to which said base station group belongs as said second spreading code, and said transmitter carrying out a communication using a signal spread by said second 10 spreading code assigned to a base station. 5. A receiver in a direct sequence CDMA mobile communication system for transmitting a signal after spreading said signal doubly with a first spreading code in a first spreading code group 15 and a second spreading code in a second spreading code group, said first spreading code having the same repetition period as an information symbol period, said second spreading code having a longer repetition period than the information symbol period, 20 said first spreading code and said second spreading code forming spreading codes for enlarging a band of a wide-band signal, a rate of said spreading codes being higher than an information rate, said receiver assigning a code associated 25 with each base station group or a code associated with each network type to which said base station group belongs as said second spreading code, and said receiver carrying out a communication using a signal spread by said second spreading code 30 assigned to a base station. 6. A transceiver in a direct sequence CDMA mobile communication system for transmitting a signal after spreading said signal doubly with a first spreading code in a first spreading code group 35 and a second spreading code in a second spreading code group, said first spreading code having the

network type to which said base station group belongs.